What is and how do MOTORcheckUP and FLUIDcheckUP operate?

MOTORcheckUP to describe is easy. It is like the doctor does: He needs just a single drop of blood to check the health of a patient. Each drop of blood contains all information of the patient - nothing to hide. After a few days when the doctor has the result of the blood test he can now examine specific and treat precisely.

MOTORcheckUP performs exactly like this – but easier and faster. As well experts and amateurs can easily perform the test because: dip only one drop of oil on the test. Each drop of engine oil contains all information of the health state of the engine. The results of the checkups indicate after a short while if there is too much carbon or dust in oil, the condition of the oil is ok, if there is too much water or fuel (petrol or diesel) visible. This deduces if and where the engine is „ill".

The German **TÜV,** the abbriviation for Technical Inspection Association evaluates and tests for efficacy and certifies the efficacy and quality of industrial plants and products. TÜV confirms in an expert report (No. B09046995001) the functionality of the test products and attests the constant quality. In Europe the patent is granted under **EP1825256**, also in Russia, USA, soon in Korea, Japan and China.

Performing the test is easy: Engine should be in operation temperature, switch off the engine, fill in the necessary data as mileage of car and oil, license number; open the hood and put the test levelled; remove the protective sheet; pull out the oil stick and dip only one drop onto the centre of the test. Don't touch the sheet.

Keep the paper balanced until the oil is adsorbed to guarantee a good result. The adsorbing process will take between 2 and 15 minutes depending on the condition of the oil. Sometimes when the condition of the oil is very bad it can take up to 30 minutes.

The evaluation begins instantly while the oil adsorbs. Already in this moment it is visible when oil contains sediments or is worn, then the oil is dark. The adsorbing process tells: adsorbs the oil fast (1 to 2 minutes) the oil is good, no problems. Does the oil not adsorb after 5 to 8 minutes it's sure: there is something wrong.

Some problems can be immediately detected as the test paper adsorbs the oil. If water is in oil, peaks will immediately appear around the oil circle. Glycol in water will create a yellow ring around the spot after 15 to 30 minutes. Fuel in oil creates a light and transparent ring around the oil spot after 15 to 30 minutes. To identify this hold the test against the light.

The end result can be seen clearly after keeping it „overnight“. Then you compare the result with the examples in the brochure. Follow the evaluation step by step from the inner to the outer circle. The centre circle indicates grime, dust, other pollutions, the second ring the condition of the oil itself, the boundary layer of the middle circle indicates the presence of water (condense or cooling water)the outer circle tells you: Fuel in oil.

For easy evaluation a reader was created. Notice: the largeness of the drop doesn't care. Also the kind or grade of oil – except bio oils. On one page of the brochure you find tips and recommendations if the result is from „7“on.

What to do if you don't see anything? Congratulations! You have got a perfect engine – or you are a perfect driver and if you aren't you can see this easily, too.

If there appear some problems or defects you should see a specialist. He can find out and knows what to do.

Experts love MOTORcheckUP. Now they can look into the engine without strip it down. Simple, easy, fast. And cheap.

FLUIDcheckUP

All modern lubricants contain special additives. These additives inhibit breakdowns. And as these additives are depleted, sludge is formed. Consequences: This shortens the equipment life; also the reduction of performance causes an overall increase in operating costs and compromises the operating conditions. An oil check offers the opportunity for an early warning signal, so that adjustments or change of parts can be done before a break down.

Check the lubricants of: Brakes, Power Steering, Hydraulics, Gears, Manual Transmission, and Automatic Transmission.

The results are visible within 5 to 45 minutes depending on the age or wear of the fluids. FLUIDcheckUP determines the current condition of the lubricants. Use FLUIDcheckUP not only for your own safety but also for the preventive maintenance, improvement in performance, reduction of emissions and repair costs, improvements in reliability and extending the life of the vehicle.

It is easy to check your fluids:
Put only one drop of the operating oil with a pipette or dipstick on the test sheet by touching it slightly. Compare the result with the reference colour of the accordingly area. In this way you find out if the state of the oils are ok or not. Only look onto the area GOOD, CHANGE, OVERDUE.

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